The Institute for Simulation and Interprofessional Studies (ISIS):

- A leader in simulation-based education at UW Medicine
- Applying cutting-edge simulation educational techniques and resources to improve the quality of healthcare education and patients' safety

Goal Statement:

- Design a virtual collaborative network to connect simulation educators in the WWAMI (Washington, Wyoming, Alaska, Montana, Idaho) region

Problem:

- How to identify users that have the needs for simulation education and communication?
- How to gather user requirements on the target group?
- How to identify core and optional features of the network?
- How to combine an interactive map with social media features?

Background

- Background Research
  - Identify stakeholders
  - Research visualization methods
- Contextual Inquiry
  - Stakeholder interviews and requirements gathering
  - Questionnaire

Process

- Interaction Definition
  - Function analysis
- UI Design
  - Paper and high-fidelity prototype
- Use Cases
- Prototype
- Refine
- Design Refinement and Specification
  - Recommendations and report to the sponsor
- Evaluate
  - Usability Testing
    - Task centered walkthroughs

Impact

Result

- A hi-fi prototype with social media features, including:
  - Interactive Map
  - ISIS Forum
  - Resource Search
  - Mail and Instant Message

Future Work

- Gather more feedback
- Design and implement the underlying database
- Build the actual website with additional features